Assignment No. 2

Programming for Big Data

Question No. 1:

```
import pandas as pd
a = [21,5,34,17,3,29,4,65]
b = [2,34,11,7,35,9,17,4]
myvar1=pd.Series(a)
myvar2=pd.Series(b)
result1=myvar1[~myvar1.isin(myvar2)]
result2=myvar2[~myvar2.isin(myvar1)]
result1 = pd.concat([result1, result2], axis=0)
print(result1)
```

Question No. 2:

```
import pandas as pd
data = {
    'year': [2010, 2005, 2010, 2020, 2010, 2005, 2005, 2020],
    'model': ['Citigo', 'Fabia', 'Fiesta', 'Rapid', 'Focus', 'Mondeo', 'Octavia', 'B-Max'],
    'car': ['Skoda', 'Skoda', 'Ford', 'Skoda', 'Ford', 'Ford', 'Skoda', 'Ford']
}
df = pd.DataFrame(data)
#For the Cars Column
new_df = df.groupby("car")
#For all Groups
for x,y in new_df:
    print(x)
    print(y)
    print() #for extra Space
#For single group
print(new_df.get_group("Ford"))
#for years Columns
new_df = df.groupby("year")
#For all Groups
for x,y in new_df:
    print(x)
    print(y)
    print() #Extra Space
#For single group
print(new_df.get_group(2010))
```